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EXAMINER
MARANDI, JAMES R

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *09 June 2006*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-15* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-15* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *09 June 2006* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some *   c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date *9/24/2007*.

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

Specification

1) Claim 15 is objected to as it is replete with violations of "Form of Claims" as per
MPEP 608.01 (m). For example:

- Reference characters which are not enclosed within parentheses.
Reference characters corresponding to elements recited in the detailed
description of the drawings and used in conjunction with the recitation of
the same element or group of elements in the claims should be enclosed
within parentheses so as to avoid confusion with other numbers or
characters which may appear in the claims. See MPEP § 608.01(m).

- The lines are crowded too closely together, making reading difficult.
Substitute claims with lines one and one-half or double spaced on good
quality paper are required. See 37 CFR 1.52(b).

- Claim 15 contains numerous sentences and extends for over one and a
half pages. Each claim must begin with a capital letter and end with a
period. Periods may not be used elsewhere in the claims except for
abbreviations. See Fressola v. Manbeck, 36 USPQ2d 1211 (D.D.C. 1995).
Where a claim sets forth a plurality of elements or steps, each element or

step of the claim should be separated by a line indentation, 37 CFR

1.75(i).

Appropriate correction is required.

Drawings

2) Figures 1,2a, and 2b should be designated by a legend such as --Prior Art--

because only that which is old is illustrated. See MPEP § 608.02(g).

3) Figure 4, the relations between numerals 16- 25 and graphics of element 14d

must be made explicit.

4) Figure 7 is an illustration of a sample Yahoo page. As these pages are

copyrighted, the applicant is advised to properly and prominently recognize

Yahoo's trademark and copyright rights.

Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply

to the Office action to avoid abandonment of the application. The replacement

sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR

1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are

not accepted by the examiner, the applicant will be notified and informed of any

required corrective action in the next Office action. The objection to the drawings will

not be held in abeyance.

Claim Rejections - 35 USC § 112

5) The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly
> claiming the subject matter which the applicant regards as his invention.

6) Claim 15 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite

for failing to particularly point out and distinctly claim the subject matter which

applicant regards as the invention. Claim 15 is a narrative of steps,

configurations, characters, with no distinct cohesive order, making it vague and

indefinite.

Claim Rejections - 35 USC § 103

7) The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

8) Claims 1, 4-7, 9, and 11- 14 are rejected under 35 U.S.C. 103(a) as being

unpatentable over T.D. Wugoski, US Patent No. 6,690,392 (hereinafter

"Wugoski") in view of Microsoft Press Computer Dictionary, 3rd Ed. 1997

(hereinafter "MSPCD").

Regarding claim 1, Wugoski discloses:

A system for controlling, navigating and managing data files, and other

file system objects in a computer system (Figure 1, element 100) **or**

appliances (any element in Figure 2) **enhanced by a computer system**

(Figure2, element 100) **using code-based commands** (Column 1, lines 40-

47) **comprising:**

a processing equipment (100) **consisting of a main housing connected**

to a main power switch (100), **said main housing being provided with a**

user input (215), **a program loaded into said housing** (Column 6, lines 15-

20), **electronic control elements interconnected and integrated with said**

program on said main housing (145, 160, 150, 155), **with front panels**

being provided with output and input connectors (140);

a centralized digital content menu system interface being integrated on

said processing equipment (Figure 4, element 450), **the centralized digital**

content menu interface using code-based commands (404, 453)

consisting of codes (Macro elements) **with reference to file system**

objects stored in current and specified locations on said processing

equipment (Column 6, lines 41-65), **wherein said file system objects are**

controlled, navigated and managed through said code-based

commands (Column 7, lines 55-61);

a display monitor connected to said processing equipment (175); and

interface command means (454) adapted to relay a desired file system

object from said processing equipment (100) by an on-screen display

thereof on said display monitor (450) using said code-based commands

(Column 7, lines 55-61)).

Though Wugoski teaches internet access and launching of web

browsers (Column 5, lines 60-64; Column 7, lines 22-26), he does not

specifically mention **URLs**. MSPCD defines URL as *"Acronym for Universal*

Resource Locator. An address for a resource on the internet. URLs are used

by Browsers to locate internet resources. A URL specifies the protocol to be

used in accessing the resource (such as http: for a World Wide Web page or

ftp: for an FTP site), the name of the server on which the resource resides

(such as //www.whitehouse.gov), and, optionally, the path to a resource (such

as HTML document or a file on that server)."

Therefore, it would have been obvious to a person skilled in the art, at

the time the invention was made, to modify Wugoski's invention to include

URLs, as taught by MSPCD, to further access files or resources on the

internet.

Regarding claim 4, Wugoski discloses **wherein a combination of numbers,**

numbers and alphabets or numbers, alphabets and symbols, define said

code-based commands. (Figure 4, elements 404, 453, 451, 452, and 454)

Regarding claim 5, Wugoski discloses **wherein said interface command means is any remote control device.** (Figure 4, element 215)

Regarding claim 6, Wugoski discloses **wherein said interface command means is a wireless keyboard.** (Column 4, line59-60; Figure 1, element 145)

Regarding claim 7, Wugoski discloses **wherein said interface command means is any device with a key pad.** (Column 4, line59-64; Figure 1, element 145)

Regarding claim 9, Wugoski discloses **wherein said display monitor is a TV screen.** (Figure 2, element 175)

Regarding claim 11, **wherein said display monitor is a PDA (Personal Digital Assistant),** Wugoski discloses the personal computer (100) can be wireless (Column 5, lines 50-53).

Though Wugoski does not explicitly cite PDA, MSPCD defines PDA as "A Lightweight Palmtop Computer". Therefore it would have been obvious to a person of ordinary skill in the art to modify Wugoski's invention to utilize a

portable lightweight computer (PDA), as taught by MSPCD, for added

mobility.

Regarding claim 12, Wugoski discloses **wherein application program is**

capable of commanding file system objects from said processing

equipment and displaying on the screen of said display monitor the

desired file system objects. (Figure 4, element 450; Column 5, lines 60-64)

Regarding claim 13, Wugoski discloses **wherein application program is**

capable of organizing file system objects (452, 453, 454)**, as well as**

adding or deleting file system objects (computer related functionality;

Column 5, lines 54- 64) **in an organizer which functions as a portal** (450).

Regarding claim 14, Wugoski discloses **wherein said file system objects**

consist of digital files, functions, hyperlinks and URLs. (See analysis for

claim 1)

9) Claim 2, and 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over

Wugoski, in view of MSPCD, in further view of H. Hung-Yeh Fang, US Patent

Application Publication No. 2004/ 0179142 (hereinafter "Fang").

Regarding claim 2, the system of Wugoski and MSPCD does not explicitly

disclose **wherein the processing equipment is designed to be built over a middleware defined as a TV User Interface "TUI" which adopts the number-based interface of TV remote control**.

However, Fang substantially discloses **wherein the processing equipment is designed to be built over a middleware** (Figure 2, and 3, L2GUI API (middleware) allows for automatic generation of low maintenance codes, while ensuring that the storage updates do not break the representation retrieval specification; Paragraphs [41], and [42]) **defined as a TV User Interface "TUI"** (Paragraph [38]) **which adopts the number-based interface of TV remote control** (Paragraph [45]).

Therefore, it would have been obvious to a person of ordinary skill in the art, at the time the invention was made, to modify the combined system of Wugoski and MSPCD invention to include a middleware, as taught by Fang, to associate user defined functions to the remote control keys (paragraph [40]).

Regarding claim 3, the system of Wugoski and MSPCD does not explicitly disclose **wherein numbers define said code-based commands, called the recursive numbering system**.

However Fang substantially discloses **wherein numbers define said code-based commands, called the recursive numbering system** (Paragraphs [44]-[45]).

Therefore, it would have been obvious to a person of ordinary skill in the art, at the time the invention was made, to modify the combined system of Wugoski and MSPCD invention to include numbers, called the recursive numbering system, defining code based commands, to offer additional flexibility.

10) Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wugoski, in view of MSPCD, in further view of B.L. Scott, US Patent No. 6,101,473 (hereinafter "Scott").

Regarding claim 8, though Wugoski discloses a voice input unit (160), he does not explicitly disclose **wherein said interface command means is voice activated.**

However, Scott substantially discloses **wherein said interface command means is voice activated** (Column 2, lines 58-67; Column 3, lines 1-11).

Therefore, it would have been obvious to a person of ordinary skill, at the time the invention was made, to modify combined system of Wugoski and MSPCD to include a voice activated command interface for added user convenience.

11) Claims 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over

Wugoski, in view of MSPCD, in further view of the official notice.

Regarding claim 10, **wherein said display monitor is an LCD (Liquid

Crystal Display) screen,** Wugoski discloses element 175 to be a large

screen data quality monitor. The examiner takes official notice that it is

notoriously well known within the art that LCD is one of the possible choices

for such "data quality monitor". Therefore it would have been obvious to a

person of ordinary skill in the art, to modify combined system of Wugoski

and MSPCD to include an LCD as display to achieve better quality data

displays.

12) Claims 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over

Wugoski in view of MSPCD.

Regarding claim 15, Wugoski discloses:

**A method in a computer system having a user, a processing system, a

plurality of file system objects, each file system objects having a visual

representation, the method for controlling, managing and navigating the

whole digital contents of a computer system using number-based

commands under the control of the processing system, the method**

comprising the steps of: the user will turn on the processing equipment

and the display monitor. Immediately thereafter, the "TUI" will appear in the

display means. "TUI" primarily functions as a portal containing the pre-

selected digital files shown in the file organizer area 14a of the "TUI," each

file corresponding to a particular number. The file organizer may comprise

of several digital pages. Beside the file organizer is a video area and an

information area. The video area shows a preview of the files selected while

the information area shows the detailed specifications of the said file. On

the top portion of the "TUI" is a menu bar area. By pressing the pound sign

"#," the multi media key bar (MMK) will appear, while pressing on the

asterisk sign "*," the top task bar (TTB) will appear. The user will simply

press the number corresponding to a particular digital file in the file

organizer, which runs for several pages. The user may also press the

pound sign "#" to activate the multi media key bar (MMK) which will appear

in the menu bar area as shown in FIG. 4, or press the asterisk sign "*" to

activate the top task bar (TTB) which will appear likewise in the menu bar

area. Thereafter, the user may press any number corresponding to a

function in the multi media key bar (MMK) and top task bar (TTB) to activate

the particular desired function. The user may also opt to go to the internet

to access any digital file which is not part of the pre-selected set. (Figures 3,

and 4; Column 1, lines 20-47; Column 6, lines 58-65; Column 8, lines 19-50; for

internet and web browser access see Column 5, lines 60-64; Column 7, lines 17-
26).

Though Wugoski teaches internet access and launching of web browsers
(Column 5, lines 60-64; Column 7, lines 22-26), he does not specifically mention
URLs. MSPCD defines URL as *"Acronym for Universal Resource Locator. An*
address for a resource on the internet. URLs are used by Browsers to locate
internet resources. A URL specifies the protocol to be used in accessing the
resource (such as http: for a World Wide Web page or ftp: for an FTP site), the
name of the server on which the resource resides (such as
//www.whitehouse.gov), and, optionally, the path to a resource (such as HTML
document or a file on that server)."

Therefore, it would have been obvious to a person skilled in the art, at the
time the invention was made, to modify Wugoski's invention to include URLs, as
taught by MSPCD, to further allow **by pressing "0" which corresponds to the**
address icon of the TTB, and typing into the space provided beside the
address icon his/her desired URL, the desired webpage will appear on-
screen in the display means. Thereafter, all hyperlinks and functions in
said web page will be automatically assigned a code or number. As such,
the user can choose and access such links or functions in the web page by
pressing the corresponding code or number. For the easy reference of the
user, the websites visited will be recorded and retrieved by using the drop
down menu and/or history. Each website visited is again assigned a code

or number. Thus, the user merely has to press the number corresponding

to the desired website.

Prior Art Made of Record

The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure:

- A.A. Rodriguez et al., "System and Method for Access and Placement of Media Content Information Items on a Screen Display with a Remote Control Device", US Patent Application Publication No. 2002/0049978.

- B.D. Williams et al., "Destination Shortcuts"; US Patent Application Publication No. 2004/0239637.

- H. Hung-Yeh Fang, "System and Method for One-Stroke Multimedia Programming", US Patent Application Publication No. 2004/0179142.

- Kuang-Yu Huang, "Interactive Keyboard", US Patent Application Publication No. 2004/0104893.

- A.J. Wasilewski, "Logical and Composite Channel Mapping in an MPEG Network", US Patent No. 5,600,378.

- A.K. Mithal et al., "Method and Apparatus for a Unified Chooser for Heterogeneous Entities"; US Patent No. 5,953,720.

- S.D. Domenikos et al., "Systems and Methods for Executing Application Programs from a Memory Device Linked to A Server", US Patent No. 6,065,043.

Contacts

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES R. MARANDI whose telephone number is (571)270-1843. The examiner can normally be reached on 8:00 AM- 5:00 PM M-F, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher C. Grant can be reached on (571) 272-7294. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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published applications may be obtained from either Private PAIR or Public PAIR.

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Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/James R. Marandi/

/Christopher Grant/
Supervisory Patent Examiner, Art Unit 2623